

**Environmental Protection Agency**

**§ 420.94**

**SUBPART I**

| Pollutant or pollutant property | BAT effluent limitations               |   |
|---------------------------------|--|---|
|                                 | Maximum for any 1 day                  | Average of daily values for 30 consecutive days |
|                                 | Kg/kg (pounds per 1,000 lb) of product |   |
| Chromium .....                  | 0.00213                                | 0.000852  |
| Nickel .....                    | 0.00192                                | 0.000638  |

(2) Bar, billet, and bloom.

**SUBPART I**

| Pollutant or pollutant property | BAT effluent limitations               |   |
|---------------------------------|--|---|
|                                 | Maximum for any 1 day                  | Average of daily values for 30 consecutive days |
|                                 | Kg/kg (pounds per 1,000 lb) of product |   |
| Chromium .....                  | 0.000960                               | 0.000384  |
| Nickel .....                    | 0.000864                               | 0.000288  |

(3) Strip, sheet, and plate—continuous.

**SUBPART I**

| Pollutant or pollutant property | BAT effluent limitations               |   |
|---------------------------------|--|---|
|                                 | Maximum for any 1 day                  | Average of daily values for 30 consecutive days |
|                                 | Kg/kg (pounds per 1,000 lb) of product |   |
| Chromium .....                  | 0.00626                                | 0.00250   |
| Nickel .....                    | 0.00563                                | 0.00188   |

(4) Strip, sheet, and plate—batch.

**SUBPART I**

| Pollutant or pollutant property | BAT effluent limitations               |   |
|---------------------------------|--|---|
|                                 | Maximum for any 1 day                  | Average of daily values for 30 consecutive days |
|                                 | Kg/kg (pounds per 1,000 lb) of product |   |
| Chromium .....                  | 0.00192                                | 0.000768  |
| Nickel .....                    | 0.00173                                | 0.000576  |

(5) Pipe, tube, and other products.

**SUBPART I**

| Pollutant or pollutant property | BAT effluent limitations               |   |
|---------------------------------|--|---|
|                                 | Maximum for any 1 day                  | Average of daily values for 30 consecutive days |
|                                 | Kg/kg (pounds per 1,000 lb) of product |   |
| Chromium .....                  | 0.00322                                | 0.00129   |
| Nickel .....                    | 0.00289                                | 0.000964  |

(6) Fume scrubbers.

**SUBPART I**

| Pollutant or pollutant property | BAT effluent limitations |   |
|---------------------------------|--------------------------|---|
|                                 | Maximum for any 1 day    | Average of daily values for 30 consecutive days |
|                                 | Kilograms per day        |   |
| Chromium .....                  | 0.0819                   | 0.0327  |
| Nickel .....                    | 0.0735                   | 0.0245  |

The above limitations shall be applicable to each fume scrubber associated with a combination acid pickling operation.

[47 FR 23284, May 27, 1982; 47 FR 41739, Sept. 22, 1982, as amended at 49 FR 21031, May 17, 1984; 49 FR 24726, June 15, 1984]

**§ 420.94 New source performance standards (NSPS).**

The discharge of wastewater pollutants from any new source subject to this subpart shall not exceed the standards set forth below.

(a) Sulfuric acid pickling (spent acid solutions and rinse waters).

(1) Rod, wire, and coil.

**SUBPART I**

| Pollutant or pollutant property | New source performance standards       |   |
|---------------------------------|--|---|
|                                 | Maximum for any 1 day                  | Average of daily values for 30 consecutive days |
|                                 | kg/kg (pounds per 1,000 lb) of product |   |
| TSS .....                       | 0.0146                                 | 0.00626   |
| O&G* .....                      | 0.00626                                | 0.00209   |
| Lead .....                      | 0.0000939                              | 0.0000313                                       |
| Zinc .....                      | 0.000125                               | 0.0000417                                       |

## SUBPART I—Continued

| Pollutant or pollutant property | New source performance standards |   |
|---------------------------------|----------------------------------|---|
|                                 | Maximum for any 1 day            | Average of daily values for 30 consecutive days |
| pH .....                        | ( <sup>1</sup> )                 | ( <sup>1</sup> )                                |

\*The limitations for oil and grease shall be applicable when acid pickling wastewaters are treated with cold rolling wastewaters.

<sup>1</sup> Within the range of 6.0 to 9.0.

## (2) Bar, billet, and bloom.

## SUBPART I

| Pollutant or pollutant property | New source performance standards       |   |
|---------------------------------|--|---|
|                                 | Maximum for any 1 day                  | Average of daily values for 30 consecutive days |
|                                 | kg/kg (pounds per 1,000 lb) of product |   |
| TSS .....                       | 0.00876                                | 0.00376   |
| O&G* .....                      | 0.00376                                | 0.00125   |
| Lead .....                      | 0.0000563                              | 0.0000188                                       |
| Zinc .....                      | 0.0000751                              | 0.0000250                                       |
| pH .....                        | ( <sup>1</sup> )                       | ( <sup>1</sup> )                                |

\*The limitations for oil and grease shall be applicable when acid pickling wastewaters are treated with cold rolling wastewaters.

<sup>1</sup> Within the range of 6.0 to 9.0.

## (3) Strip, sheet, and plate.

## SUBPART I

| Pollutant or pollutant property | New source performance standards       |   |
|---------------------------------|--|---|
|                                 | Maximum for any 1 day                  | Average of daily values for 30 consecutive days |
|                                 | Kg/kg (pounds per 1,000 lb) of product |   |
| TSS .....                       | 0.0117                                 | 0.00501   |
| O&G <sup>1</sup> .....          | 0.00501                                | 0.00167   |
| Lead .....                      | 0.0000751                              | 0.0000250                                       |
| Zinc .....                      | 0.000100                               | 0.0000334                                       |
| pH .....                        | ( <sup>2</sup> )                       | ( <sup>2</sup> )                                |

<sup>1</sup> The limitations for oil and grease shall be applicable when acid pickling wastewaters are treated with cold rolling wastewaters.

<sup>2</sup> Within the range of 6.0 to 9.0.

## (4) Pipe, tube and other products.

## SUBPART I

| Pollutant or pollutant property | New source performance standards       |   |
|---------------------------------|--|---|
|                                 | Maximum for any 1 day                  | Average of daily values for 30 consecutive days |
|                                 | Kg/kg (pounds per 1,000 lb) of product |   |
| TSS .....                       | 0.0204                                 | 0.00876   |
| O&G <sup>1</sup> .....          | 0.00876                                | 0.00292   |
| Lead .....                      | 0.000131                               | 0.0000438                                       |
| Zinc .....                      | 0.000175                               | 0.0000584                                       |
| pH .....                        | ( <sup>2</sup> )                       | ( <sup>2</sup> )                                |

<sup>1</sup> The limitations for oil and grease shall be applicable when acid pickling wastewaters are treated with cold rolling wastewaters.

<sup>2</sup> Within the range of 6.0 to 9.0.

## (5) Fume scrubbers.

## SUBPART I

| Pollutant or pollutant property | New source performance standards |   |
|---------------------------------|----------------------------------|---|
|                                 | Maximum for any 1 day            | Average of daily values for 30 consecutive days |
|                                 | Kilograms per day                |   |
| TSS .....                       | 5.72                             | 2.45  |
| O&G <sup>1</sup> .....          | 2.45                             | 0.819   |
| Lead .....                      | 0.0368                           | 0.0123  |
| Zinc .....                      | 0.0491                           | 0.0164  |
| pH .....                        | ( <sup>2</sup> )                 | ( <sup>2</sup> )                                |

<sup>1</sup> The limitations for oil and grease shall be applicable when acid pickling wastewaters are treated with cold rolling wastewaters.

<sup>2</sup> Within the range of 6.0 to 9.0.

The above limitations shall be applicable to each fume scrubber associated with a sulfuric acid pickling operation.

(b) Hydrochloric acid pickling (spent acid solutions and rinse waters).

## (1) Rod, wire, and coil.

## SUBPART I

| Pollutant or pollutant property | New source performance standards       |   |
|---------------------------------|--|---|
|                                 | Maximum for any 1 day                  | Average of daily values for 30 consecutive days |
|                                 | Kg/kg (pounds per 1,000 lb) of product |   |
| TSS .....                       | 0.0175                                 | 0.00751   |
| O&G <sup>1</sup> .....          | 0.00751                                | 0.00250   |
| Lead .....                      | 0.000113                               | 0.0000376                                       |
| Zinc .....                      | 0.000150                               | 0.0000501                                       |

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## SUBPART I—Continued

| Pollutant or pollutant property | New source performance standards |   |
|---------------------------------|----------------------------------|---|
|                                 | Maximum for any 1 day            | Average of daily values for 30 consecutive days |
| pH .....                        | ( <sup>2</sup> )                 | ( <sup>2</sup> )                                |

<sup>1</sup>The limitations for oil and grease shall be applicable when acid pickling wastewaters are treated with cold rolling wastewaters.

<sup>2</sup>Within the range of 6.0 to 9.0.

(2) Strip, sheet, and plate.

## SUBPART I

| Pollutant or pollutant property | New source performance standards       |   |
|---------------------------------|--|---|
|                                 | Maximum for any 1 day                  | Average of daily values for 30 consecutive days |
|                                 | Kg/kg (pounds per 1,000 lb) of product |   |
| TSS .....                       | 0.0117                                 | 0.00501   |
| O&G <sup>1</sup> .....          | 0.00501                                | 0.00167   |
| Lead .....                      | 0.0000751                              | 0.0000250                                       |
| Zinc .....                      | 0.000100                               | 0.0000334                                       |
| pH .....                        | ( <sup>2</sup> )                       | ( <sup>2</sup> )                                |

<sup>1</sup>The limitations for oil and grease shall be applicable when acid pickling wastewaters are treated with cold rolling wastewaters.

<sup>2</sup>Within the range of 6.0 to 9.0.

(3) Pipe, tube, and other products.

## SUBPART I

| Pollutant or pollutant property | New source performance standards       |   |
|---------------------------------|--|---|
|                                 | Maximum for any 1 day                  | Average of daily values for 30 consecutive days |
|                                 | Kg/kg (pounds per 1,000 lb) of product |   |
| TSS .....                       | 0.0321                                 | 0.0138  |
| O&G <sup>1</sup> .....          | 0.0138                                 | 0.00459   |
| Lead .....                      | 0.000206                               | 0.0000688                                       |
| Zinc .....                      | 0.000275                               | 0.0000918                                       |
| pH .....                        | ( <sup>2</sup> )                       | ( <sup>2</sup> )                                |

<sup>1</sup>The limitations for oil and grease shall be applicable when acid pickling wastewaters are treated with cold rolling wastewaters.

<sup>2</sup>Within the range of 6.0 to 9.0.

(4) Fume scrubbers.

## SUBPART I

| Pollutant or pollutant property | New source performance standards |   |
|---------------------------------|----------------------------------|---|
|                                 | Maximum for any 1 day            | Average of daily values for 30 consecutive days |
|                                 | Kilograms per day                |   |
| TSS .....                       | 5.72                             | 2.45  |
| O&G <sup>1</sup> .....          | 2.45                             | 0.819   |
| Lead .....                      | 0.0368                           | 0.0123  |
| Zinc .....                      | 0.0491                           | 0.0164  |
| pH .....                        | ( <sup>2</sup> )                 | ( <sup>2</sup> )                                |

<sup>1</sup>The limitations for oil and grease shall be applicable when acid pickling wastewaters are treated with cold rolling wastewaters.

<sup>2</sup>Within the range of 6.0 to 9.0.

The above limitations shall be applicable to each fume scrubber associated with a hydrochloric acid pickling operation.

(c) Combination acid pickling (spent acid solutions and rinse waters).

(1) Rod, wire, and coil.

## SUBPART I

| Pollutant or pollutant property | New source performance standards       |   |
|---------------------------------|--|---|
|                                 | Maximum for any 1 day                  | Average of daily values for 30 consecutive days |
|                                 | kg/kg (pounds per 1,000 lb) of product |   |
| TSS .....                       | 0.0204                                 | 0.00876   |
| O&G <sup>1</sup> .....          | 0.00876                                | 0.00292   |
| Chromium .....                  | 0.000292                               | 0.000117  |
| Nickel .....                    | 0.000263                               | 0.0000876                                       |
| pH .....                        | ( <sup>2</sup> )                       | ( <sup>2</sup> )                                |

<sup>1</sup>The limitations for oil and grease shall be applicable when acid pickling wastewaters are treated with cold rolling wastewaters.

<sup>2</sup>Within the range of 6.0 to 9.0.

(2) Bar, billet, and bloom.

## SUBPART I

| Pollutant or pollutant property | New source performance standards       |   |
|---------------------------------|--|---|
|                                 | Maximum for any 1 day                  | Average of daily values for 30 consecutive days |
|                                 | kg/kg (pounds per 1,000 lb) of product |   |
| TSS .....                       | 0.0117                                 | 0.00501   |
| O&G <sup>1</sup> .....          | 0.00501                                | 0.00167   |
| Chromium .....                  | 0.000167                               | 0.0000667                                       |
| Nickel .....                    | 0.000150                               | 0.0000501                                       |

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**SUBPART I—Continued**

| Pollutant or pollutant property | New source performance standards |   |
|---------------------------------|----------------------------------|---|
|                                 | Maximum for any 1 day            | Average of daily values for 30 consecutive days |
| pH .....                        | ( <sup>2</sup> )                 | ( <sup>2</sup> )                                |

<sup>1</sup>The limitations for oil and grease shall be applicable when acid pickling wastewaters are treated with cold rolling wastewaters.

<sup>2</sup>Within the range of 6.0 to 9.0.

**(3) Strip, sheet and plate—continuous.**

**SUBPART I**

| Pollutant or pollutant property | New source performance standards        |   |
|---------------------------------|---|---|
|                                 | Maximum for any 1 day                   | Average of daily values for 30 consecutive days |
|                                 | Kg/kkg (pounds per 1,000 lb) of product |   |
| TSS .....                       | 0.0496                                  | 0.0213  |
| O&G <sup>1</sup> .....          | 0.0213                                  | 0.00710   |
| Chromium .....                  | 0.000710                                | 0.000284  |
| Nickel .....                    | 0.000638                                | 0.000213  |
| pH .....                        | ( <sup>2</sup> )                        | ( <sup>2</sup> )                                |

<sup>1</sup>The limitations for oil and grease shall be applicable when acid pickling wastewaters are treated with cold rolling wastewaters.

<sup>2</sup>Within the range of 6.0 to 9.0.

**(4) Strip, sheet, and plate—batch.**

**SUBPART I**

| Pollutant or pollutant property | New source performance standards        |   |
|---------------------------------|---|---|
|                                 | Maximum for any 1 day                   | Average of daily values for 30 consecutive days |
|                                 | Kg/kkg (pounds per 1,000 lb) of product |   |
| TSS .....                       | 0.0175                                  | 0.00751   |
| O&G <sup>1</sup> .....          | 0.00751                                 | 0.00250   |
| Chromium .....                  | 0.000250                                | 0.000100  |
| Nickel .....                    | 0.000225                                | 0.0000751                                       |
| pH .....                        | ( <sup>2</sup> )                        | ( <sup>2</sup> )                                |

<sup>1</sup>The limitations for oil and grease shall be applicable when acid pickling wastewaters are treated with cold rolling wastewaters.

<sup>2</sup>Within the range of 6.0 to 9.0.

**(5) Pipe, tube, and other products.**

**SUBPART I**

| Pollutant or pollutant property | New source performance standards        |   |
|---------------------------------|---|---|
|                                 | Maximum for any 1 day                   | Average of daily values for 30 consecutive days |
|                                 | Kg/kkg (pounds per 1,000 lb) of product |   |
| TSS .....                       | 0.0292                                  | 0.0125  |
| O&G <sup>1</sup> .....          | 0.0125                                  | 0.00418   |
| Chromium .....                  | 0.000418                                | 0.000167  |
| Nickel .....                    | 0.000376                                | 0.000125  |
| pH .....                        | ( <sup>2</sup> )                        | ( <sup>2</sup> )                                |

<sup>1</sup>The limitations for oil and grease shall be applicable when acid pickling wastewaters are treated with cold rolling wastewaters.

<sup>2</sup>Within the range of 6.0 to 9.0.

**(6) Fume scrubbers.**

**SUBPART I**

| Pollutant or pollutant property | New source performance standards |   |
|---------------------------------|----------------------------------|---|
|                                 | Maximum for any 1 day            | Average of daily values for 30 consecutive days |
|                                 | Kilograms per day                |   |
| TSS .....                       | 5.72                             | 2.45  |
| O&G <sup>1</sup> .....          | 2.45                             | 0.819   |
| Chromium .....                  | 0.0819                           | 0.0327  |
| Nickel .....                    | 0.0735                           | 0.0245  |
| pH .....                        | ( <sup>2</sup> )                 | ( <sup>2</sup> )                                |

<sup>1</sup>The limitations for oil and grease shall be applicable when acid pickling wastewaters are treated with cold rolling wastewaters.

<sup>2</sup>Within the range of 6.0 to 9.0.

The above limitations shall be applicable to each fume scrubber associated with a combination acid pickling operation.

[47 FR 23284, May 27, 1982, as amended at 49 FR 21032, May 17, 1984]

**§ 420.95 Pretreatment standards for existing sources (PSES).**

Except as provided in 40 CFR 403.7 and 403.13, any existing source subject to this subpart which introduces pollutants into a publicly owned treatment works must comply with 40 CFR part 403 and achieve the following pretreatment standards for existing sources.

(a) Sulfuric acid (spent acid solutions and rinse waters).

(1) Rod, wire, and coil.